

## METHODS AND APPARATUS FOR PROFILING THREADED PROGRAMS

### ABSTRACT

A method and apparatus for profiling threaded programs is disclosed. The method may include monitoring information exchanged between a processing unit and first and second threads executed by the processing unit, determining a critical path of thread execution and determining a wait time during which the first thread awaits a synchronization event. The method may also include determining whether the wait time affects the critical path of thread execution and indicating that the wait time is of a high priority if the wait time affects the critical path of thread execution, and indicating that the wait time is of a low priority if the wait time does not affect the critical path of thread execution.